#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

IN RE:

APPLICANT; WILLIAM M. HAMMESFAHR

S.N.: 09/841,546

**GROUP ART UNIT: 3768** 

FILED: 04/23/2001

**EXAMINER: FRANCIS JAWORSKI** 

FOR: A TITRATION SYSTEM FOR TREATING

**CEREBRAL VASOSPASMS** 

**ATTY DOC NO. 2087.1** 

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

#### **APPLICANT'S BRIEF ON APPEAL**

Real Party in Interest is:

Dr. William M. Hammesfahr Hammesfahr Neurological Institute 600 Druid Road East Clearwater, FL 33736

II. Related Appeals and Interferences

There are no related appeals or interferences.

#### III. STATUS OF CLAIMS

There are seven (7) pending claims in the subject application numbered 38-44 under final rejection. Claims 1-37 were cancelled during prosecution. All seven (7) pending claims numbered 38-44 are the subject of the appeal herein.

LARSON & LARSON, ATTORNEYS AT LAW

11199-69th STREET N. LARGO, FL 33773-5504 PH. 727-546-0660 FAX 727-545-1595 adding the feature that the dosage device comprises a means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment, cream, inhaler, spray and other forms (page 3, lines 28-95; page 5, lines 2-4). The Nitroglycerin equivalents and substitutes, comprising p.o. clonidine, isradipine, hydrazine, nifedipine and/or other medicines (page 5, lines 5-6) selected from the empirical group of medications which have the common characteristics of causing smooth muscle relaxation and/or which systematically reduce pulmonary capillary wedge pressure and combinations of the foregoing (page 7, lines 11-15).

The invention of Claim 41, incorporating all of the limitations of Claim 38, adding the feature of a low measuring device comprising transcranial Doppler measuring means (page 3, lines 2-4) and the dosage device comprises transdermal, inhaler, spray and other forms of vasodilators selected from the group consisting of Nitroglycerine equivalents and substitutes, p.o. clonodine, isradipine, hydrazine, nifedipine and/or other medicines selected from the empirical group of medications which have the common characteristics of causing smooth muscle relaxation and which systematically reduce pulmonary capillary wedge pressure and combinations of the foregoing (page 5, lines 5-6 and page 7, lines 11-15).

The invention of Claim 42, incorporating all of the limitations of Claim 41, adding the feature that the delivery device comprises means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment or cream form (page 5, lines 2-4).

The invention of Claim 43, incorporating all of the limitations of Claim 46 [sic 41] adds the feature that the delivery system is adapted for transdermal delivery

(page 8, line 24).

The invention of Claim 44, incorporating all of the limitations of Claim 38, adds the feature that the delivery system is adapted for the adjustment of the dosage device over time within the range of about 0.02 to 20 milligrams per day (Nitroglycerin equivalent) of vasodilator (page 7, lines 21-23).

#### VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

- (1) Whether Claims 38-44 are indefinite within the meaning of 35 U.S.C. § 112, second paragraph.
- (2) Whether Claims 38-44 are obvious within the meaning of 35 U.S.C. § 103(a) over Shaw et al. (U.S. Patent 4,650,484) in view of Stanley et al. (U.S. Patent 4,885,173, Fung et al. (U.S. Patent 5,278,192 and Ragauskas et al. (U.S. Patent 5,388,583).

Since Claims 39-44 are dependent from independent Claim 38; if Claim 38 is allowable then all seven Claims 38-44 are allowable. Since Claims 42 and 43 are dependent on Claim 41; if Claim 41 is allowable, then all three Claims 41-43 are allowable.

As stated above, Claim 38 is independent and Claim 39 is dependent on Claim 1. However, Claim 39 stands alone and would be patentable, as discussed in Arguments set forth below, even if Claim 38 is found unpatentable. Claim 40 is dependent on Claim 38. However, Claim 40 also stands alone and would be patentable, as discussed in the Arguments set forth below, even if Claim 38 is found unpatentable. Claim 41 is dependent on Claim 38. However, Claim 41 stands alone and would be patentable, as discussed in the Arguments set forth below, even if

Claim 38 is found unpatentable. Claim 42 is dependent on Claim 41. However, Claim 42 also stands alone and would be patentable, as discussed in Arguments set forth below, even if Claim 41 is found unpatentable. Claim 43 is dependent on Claim 41. However, Claim 43 stands alone and would be patentable, as discussed in the Arguments set forth below, even if Claim 41 is found unpatentable. Claim 44 is dependent on Claim 38. However, Claim 44 also stands alone and would be patentable, as discussed in the Arguments set forth below, even if Claim 38 is found unpatentable.

#### VII. ARGUMENT

(i) Claims 38-44 are definite within the meaning of 35 U.S.C. § 112, second paragraph.

The Examiner has rejected Claims 38-44 under 35 U.S.C. § 112, second paragraph, as being indefinite. All of Claims 38-44 are directed to a titration system for diagnosing and treating a disease. One element in the system is a flow measuring device to test for cerebral vasospasms. A second is a dosage device which administers a vasospasm reducing dosage. The dosage device is adjustable over time to titrate the dosage in response to testing to increase, decrease or substitute another medicine. The Examiner is correct that a decision has to be made by a practitioner as whether to increase, decrease or substitute another medicine. The fact is that the system provides for the capability for the practitioner to make that decision. Applicant is not claiming the input of a specific practitioner, but is claiming a system which is adapted to receive such input. As such it is not believed that Claims 38-44 are indefinite.

#### (ii) Claims 38-44 are not obvious in view of the cited prior art

The Examiner further rejected Claims 38-44 under 35 U.S.C. § 103. This rejection includes four references Shaw et al., Stanley et al., Fung et al. and Ragauskas et al. Shaw et al. describes a method for treating ischemic conditions by administering a vasodilator to a patient continuously without intermediate testing at a rate of from 10 micrograms to 400 micrograms per hour. There is no suggestion that the dosage is adjusted over time to titrate the dosage to minimize severity of a vasospasm.

Stanley et al. describes a sustained lollipop delivery vehicle for cardiovascular or renal vascular activities. Stanley et al. is not directed to cerebral vasospasms and does not suggest that the dosage can be adjustable over time in response to titration testing.

Fung et al. is directed to a treatment for congestive heart failure and is not concerned with cerebral vasospasms. Furthermore, Fung et al. only increases dosages until angina is effectively controlled. There is no suggestion that dosages are adjusted to minimize occurrence and severity of a vasospasm.

Ragauskas et al. suggests the possibility of evaluating cerebral vasospasm using ultrasonic pulses within the intracranial medium.

Taking Shaw et al, Stanley et al., Fung et al. and Ragauskas et al. together and considering them as a whole, they describe treating ischemic conditions by administering a vasodilator over sustained periods of time with increasing dosage and evaluating cerebral vasospasms with ultrasonic pulses. In contrast, applicant's invention of independent Claim 38 is directed to a titration system for treating a

disease caused by insufficient cerebral profusion; the system employing: (1) a flow measuring device to test for cerebral vasospasms, (2) a dosage device which administers a vasospasm reducing dosage of a particular medicine and (3) the dosage device being adjustable over time to titrate the dosage either upwards or downwards or substitute another medicine to minimize severity of the vasospasm. Applicant's treatment relies on the adjustable dosage based on titration of the dosage and changes made as necessary. The prior art in combination does not describe such an invention.

In addition, it is noted that the Examiner has picked and chosen portions of four references in order to attempt to support an argument that applicant's Claim 38 is obvious. In fact the four references as a whole do not teach applicant's titration system. Nevertheless, the Court of Appeals for the Federal Circuit has stated, "it is impossible to use the claimed invention as an instruction manual or template to piece together the teaching of the prior art so that the claimed invention is rendered obvious. This Court has previously stated that one cannot use hind sight reconstruction to pick and chose among isolated disclosures in a prior art to deprecate the claimed invention." See In re Fritch 23 USPQ 2<sup>nd</sup> 1780, 1784 (Fed. Cir. 1992). See also, Ruiz v A.B. Chance Co. 69 USPQ 2<sup>nd</sup> 1686 (Fed. Cir. 2004).

Of the references cited, only Shaw et al. and Ragauskas et al. even relate to vasospasms. These references together do not teach applicant's invention of Claim 38. The other references are not even concerned with cerebral vasospasms and should not be used in an obviousness rejection.

Taking all four references cited together as a whole and considering them as

a whole they do not teach applicant's invention of Claim 38 and do not make such claim obvious within the meaning of U.S.C. § 103(a). Therefore, the rejection of Claim 38 should be overruled.

With respect to Claim 39, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the flow measuring device is a transcranial Doppler measuring means.

With respect to Claim 40, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the dosage device is a means for delivering a vasodilator selected from the group of a nitroglycerin in pill, patch, ointment, cream, inhaler and spray form, clonidine, isradipine, hydrazine, nifedipine.

With respect to Claim 41, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the flow measuring device is a transcranial Doppler measuring means and the dosage device is a transdermal, inhaler, spray form of vasodilator selected from the group consisting nitroglycerin, clonidine, isradipine, hydrazine and nifedipine.

With respect to Claim 42, the four references as a whole do not teach a titration system as set forth in Claim 41 wherein the delivery device is a means for delivering a nitroglycerin vasodilator in pill, patch, ointment or cream form.

With respect to Claim 43, the four references as a whole do not teach a titration system as set forth in Claim 41 wherein the delivery system is adapted for transdermal delivery.

With respect to Claim 44, the four references as a whole do not teach a titration system as set forth in Claim 38 wherein the delivery system adjusts the

dosage device within the range of 0.02 to 20 milligrams per day of a vasodilator.

If follows that the rejection of Claims 39-44, like Claim 38, should be overruled.

#### CONCLUSION

- (1) The claims are definite for the purpose to which they are presented and therefore the rejection under 35 U.S.C. § 112 should be reversed.
- (2) The rejection of Claims 38-44 should be reversed because the four references taken as a whole fail to make the claims obvious within the meaning of 35 U.S.C. § 103(a).

Kindly deduct the \$250.00 Appeal Fee from Deposit Account No. 12-0551 in the name of Larson & Larson, P.A.

Respectfully submitted,

LARSON & LARSON, F

Herbert W. Larson Reg. No. 21,008

Attorney for Applicant

HWL/mll

#### VIII. CLAIMS APPENDIX

- 38. A titration system for diagnosing and treating a disease caused at least partially by insufficient cerebral perfusion, comprising in combination: a flow measuring device to test for cerebral vasospasm, a dosage device which administers a vasospasm-reducing dosage of a medicine selected from the empirical group of medications which have the common characteristic of causing smooth muscle relaxation and/or which reduce pulmonary capillary wedge pressure, and said dosage device being adjustable over time to titrate said dosage in response to said testing to increase, decrease or substitute another medicine to minimize occurrence and severity of said vasospam.
- 39. A system according to Claim 38 wherein the flow measuring device comprises transcranial Doppler measuring means.
- 40. A system according to Claim 38 wherein the dosage device comprises means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment, cream, inhaler, spray and other forms, Nitroglycerin equivalents and substitutes, comprising p.o. clonidine, israpidine, hydrazine, nifedipine, and/or other medicines selected from the empirical group of medications which have the common characteristic of causing smooth muscle relaxation and/or which systemically reduce pulmonary capillary wedge pressure, and combinations of the foregoing.
- 41. A system according to Claim 38 wherein the flow measuring device comprises transcranial Doppler measuring means and the dosage device comprises transdermal, inhaler, spray and other forms of vasodilator selected from the group consisting of Nitroglycerin, Nitroglycerin equivalents and substitutes, p.o. clonidine,

isradipine, hydrazine, nifedipine, and/or medicines selected from the empirical group of medications which have the common characteristic of causing smooth muscle relaxation and/or which systemically reduce pulmonary capillary wedge pressure, and combinations of the foregoing.

- 42. A system according to Claim 41 wherein the delivery device comprises means for delivering a vasodilator selected from the group comprising Nitroglycerin in pill, patch, ointment or cream form.
- 43. A system according to Claim 46 wherein the delivery system is adapted for transdermal delivery.
- 44. A system according to Claim 38 wherein the delivery system is adapted for the adjusting of the dosage device over time within the range of about 0.02 to 20 milligrams per day (Nitroglycerin equivalent) of vasodilator.

#### IX. EVIDENCE APPENDIX

<u>Patent</u>	<u>Page</u>
Shaw et al., U.S. Patent 4,650,484	5, 6
Stanley et al., U.S. Patent 4,885,173	5, 6
Fung et al., U.S. Patent 5,278,192	5, 6
Ragauskas et al., U.S. Patent 5,388,583	6
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#### X. RELATED PROCEEDINGS APPENDIX

There are no related decisions rendered by a Court or the Board to the Claims at issue in this proceeding.

# Court of Appeals, Federal Circuit

In re Fritch

No. 91-1318

Decided August 11, 1992

## AND PRACTICE OCEDURE

# Procedure - Judicial review - Standard of review - Patents (§410.4607.09)

inquiries concerning med invention and prior art, which are ewed for clear error on appeal, but ultie conclusion of obviousness is reviewed bviousness determination is based on unfactual natter of law.

### TENTS

# Patent construction — Claims — Broad or narrow (§125.1303)

ce patent's express teaching that trench is sessary to install device in harder ground uld inhibit longitudinal flexibility, and rior art patent for grass edging and tering device cannot be held to teach that ice is flexible and conformable to ground ts entirety; since base portion of device udes prominent anchoring leg which ws that it is not freely conformable

## Relevant prior art - Particular inven-Patentability/Validity — Obviousness tions (§115.0903.03)

# Patentability/Validity - Obviousness Combining references (§115.0905)

merely by virtue of flexibility of device Claims for landscape edging device are ice, and since secondary reference does prima facie obvious in view of combined chings of two prior patents, since primary cribed therein, suggest extensive modifi-ions which would bring primary reference erence does not suggest overall flexibility l landscape retention function of claimed o conformity with application claims.

## Patentability/Validity - Obviousness -Combining references (§115.0905)

Mere fact that prior art may be modified effect features of claimed invention does make modification, and hence claimed ention, obvious unless desirability of such diffication is suggested by prior art; med invention cannot be used as instrucn manual or "template" to piece together chings of prior art so that claimed invenis rendered obvious.

Appeal from the U.S. Patent and Trade mark Office; Board of Patent Appeals and Interferences.

ial no. 06/838,721, landscape apparatus and Patent application of John R. Fritch (sermethod). From decision upholding rejection of application claims 1-7, 9-24, 29 and 30, applicant appeals. Reversed.

(John R. Fritch, Corpus Christi, Texas, on Charles L. Gholz, of Oblon, Spivak, McClelland, Maier & Neustadt, Arlington, Va. brief), for appellant.

Richard E. Schafer, of counsel), for lameson Lee, associate solicitor (Fred E McKelvey, solicitor, with him on brief appellee. Before Smith, senior circuit judge, and Plager and Rader, circuit judges.

### Smith, J.

John R. Fritch (Fritch) appeals the 27 February 1991 decision of the Patent and Trademark Office Board of Patent Appeals the Examiner's final rejection of the remain-ing claims in Fritch's application entitled ordinary skill in the art and was therefore unpatentable under 35 U.S.C. § 103. The and Interferences (Board) affirming-in-part Landscape Edging Apparatus and Method. The Examiner concluded that Fritch's invention would have been obvious to one of Board, except for allowing claim 28, agreed. The Board's decision is reversed.

## Issue

drix rendered the subject matter of Fritch's independent claims 1, 13, 24, and 29 obvious to one of ordinary skill in the art. The issue is whether the Board erred in affirming the Examiner's determination that the prior art references of Wilson and Hen-

# ... Background.

ed claims 1-24 and 27-30 of Fritch's applica-tion as unpatentable for obviousness under 35 U.S.C. § 103. Fritch appealed the final rejection to the Board. The Board affirmed entered a new ground of rejection for claim agreed with the Examiner that the teachings In his final rejection, the Examiner rejectthe rejection as to claims 1-24, 29 and 30, 27, and reversed as to claim 28. The Board of the Wilson and Hendrix patents rendered

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In re Fritch

in the art. Fritch does not appeal the Board's the subject matter of independent claims 1 13, 24, and 29 obvious to one of ordinary skill argument withdrew the appeal as to claim 8. disposition as to claims 27 and 28, and at oral The claims remaining in this appeal are 1-7,

# The Fritch Invention

The invention claimed by Fritch involves a landscape edging device which includes a ing retainer portion. The base portion is elongate, thin, flexible and has a planar planar base portion and an upwardly extendbottom surface conformable to a varying slope ground surface. One longitudinal edge of the base portion serves as a mowing strip and the other serves as a retaining flange for landscape fill. The upwardly extending refused) to the base portion and defines a longitudinally extending enclosed space. The Fritch invention is intended to be used as a retainer for landscape fill in order to sepamowable lawn. It may also be used to secure a landscaping sheet to the ground, or to rate unmowable landscape fill from the tainer portion is integrally connected (e.g. Independent claims 1 and 13 on appeal are function as guards at the base of a fence. Pal: A landscape edging strip formed in its elongate, thin gauge, flexible base portion representative of the subject matter claimed: entirety of a thin gauge, flexible material and conformable to a ground surface of varying slope, comprising a continuous having a planar bottom surface conforma thin gauge, elongate retainer portion able to said varying slope ground surface; ing upwardly therefrom and transversely integral with said base portion and extendthereover to overlie a portion of said base portion; all of said retainer portion, defining a longitudinally extending enclosed space; said retainer portion being integrally connected to said base portion adjacent one longitudinal edge of said base portion to define a mowing strip adjacent the other longitudinal edge of said base

: 2713. A landscape edging strip formed in its entirety from thin gauge, flexible material varying slope, comprising a continuous and conformable to a ground surface of "elongate, thin gauge, flexible base portion having a planar bottom surface conformestable to said varying slope ground surfaces

integral with said base port ion and extending upwardly therefrom and transversely thereover to overlie a portion of tion defining a longitudinally extending enclosed space; said retainer portion being said base portion; all of said retainer porintegrally connected to said base portion tudinal edges of said base portion, thereby defining a longitudinally extending retaining flange on one side of said retainer at a transverse location between the longi portion and a mowing strip on the other side of said retainer portion.

The critical language in Fritch's independent claims is that the device is to be, in its ambles, "are necessary to give meaning to the claim[s] and properly define the inven-tion." Figure 1 from Fritch's drawings is entirety, both flexible and "conformable to a ground surface of varying slope". These limitations, although located in the claims' prereproduced below:



a. The Wilson Patent The Prior Art

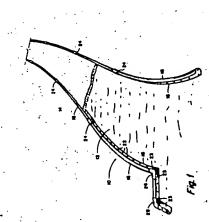
The Wilson patent relied upon by the Examiner and the Board is entitled "Grass body portion. Opposite the mowing strip is a scored flange which may be broken off when not needed or wanted. Between the mowing bodiment of the Wilson device includes a substantially flat mowing strip extending horizontally from a longitudinally extending strip and the flange, and extending vertically from the body portion is an anchoring leg. Located above the anchoring leg is the body portion which contains a water conduit and sprinkler head assembly. The device is intended to be used adjacent to the borders of walks and plant beds. Figures, I and 4 from Wilson's drawings are reproduced below: Edging and Watering Device"

Perkin Elmer Corp. v. Computervision Corp., 732 F.2d 888, 896, 221 USPO 669, 675 2 Perkin

# b. The Hendrix Patent

hose not to discuss the Hendrix reference in solicitor overstates the Board's position. The 3oard based its decision upon "a collective valuation of the Wilson and Hendrix patsecause it did play a role in the rejection of The Hendrix patent is entitled "Loose Material Retainer Strip". The Solicitor is brief, stating that the Board had deemed ints". We include Hendrix in our discussion fendrix unnecessary to its decision. The ritch's independent claims.

levice is to be wider than the top lip in order to facilitate fastening the device to the ground. The device will fit most gentle conours, and the top lip will yield laterally to ways. Figure I of Hendrix's drawings is The Hendrix device is composed of elon-gated, flexible strips, having substantially ouild-up of gravel until the gravel can be trip is installed such that it faces the materiplates that the retainer will be used in retainng gravel in driveways, lining flower beds, or edistributed. The concave portion of the al to be retained in place. Hendrix contem-3-shaped cross-section. The bottom lip of the on the shoulders of asphalt or concrete higheproduced below:



# Standard of Review

are reviewed for clear error.6 However, it is [1] "[O]bviousness is a question of law to be determined from the facts." The obviousness determination "is based upon underying factual inquiries concerning the he Federal Circuit reviews as a matter of claimed invention and the prior art" which the ultimate conclusion of obviousness which law.

# Teachings of Wilson

Fritch takes exception to the Examiner's findings of fact related to the teachings of the Wilson patent. The Examiner's rejection and the Board's opinion rely heavily on the use of Wilson in view of other references to declare the Fritch invention obvious. The Board states that it agrees with the Examiner's finding of fact regarding the teachings of Wilson. In the Examiner's answer, which the Board quotes, the Wilson device is described as follows

elongated flexible base portion including a Wilson discloses a landscaping edging mower strip B having a planar bottom surface conformable to a varying slope strip comprising a relatively thin gauge surface.

presents "substantial evidence that Wilson is both thin and flexible." The Board regards the Wilson device as teaching that it is flexible and conformable in its entirety. This The Board states that the Wilson reference

tion of Wilson is not planar in its entirety, as cludes a prominent anchoring leg to secure in the mower strip. Wilson states that its mower strip may be lifted in order to pack [2] It is well settled that a prior art reference is relevant for all that it teaches to those of ordinary skill in the art. The base porthe Board's opinion suggests, but also inthe device to the ground. The anchoring leg, which runs the length of the Wilson device, would inhibit longitudinal flexibility of the Wilson device. Indeed, Wilson expressly contemplates flexibility and conformability only dirt thereunder for the purpose of securing the device to the ground. Fritch, on the other hand, is claimed to be flexible in its entirety finding demonstrates clear error.

In re De Blauwe, 736 F.2d 699, 703, 222 'In re Kulling, 897 F.2d 1147, 1149, 14 USPQ2d 1056, 1057 (Fed. Cir. 1990). 'In re De' Blauwe, 736 F.2d at 703, 222 USPQ at 195. dukter AB, 892 F.2d 1547, 1551, 13 USPQ2d ۶. USPQ 191, 195 (Fed. Cir. 1984). Instruments Inc. \* Beckman

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In re Fritch

The Board's holding that Wilson is flexible in its entirety is based upon a misapprehension of the scope of Wilson's teachings.

Second, Wilson's anchoring leg prohibits conformability to the ground surface in the manner claimed by Fritch. The Examiner's bottom surface conformable to a varying it must be placed into the ground. Wilson expressly teaches that the anchoring leg may description of Wilson as having a "planar slope surface" is applicable only in reference to the mower strip. This description, however, ignores the anchor leg and the fact that be pushed into soft soils, but in harder terrain a trench is needed in order to place the Wilson sprinkler system. In order to install the Wilson apparatus, the ground surface must be altered to conform to the device rather than, as the Solicitor contends, that Wilson is freely conformable to the ground. Fritch, on the other hand, does not require such extensive alteration of the ground surface in order to install the device.

# Prima Facie Obviousness

In proceedings before the Patent and Trademark Office, the Examiner bears the only by showing some objective teaching in the prior art or that knowledge generally available to one of ordinary skill in the art burden of establishing a prima facie case of "[The Examiner] can satisfy this burden erly made out, or the applicant may present objective evidence tending to support a conobviousness based upon the prior art.9 would lead that individual to combine the relevant teachings of the references." 10 The patent applicant may then attack the Examiner's prima facie determination as impropclusion of nonobviousness.

Fritch has attacked the Board's finding that the Examiner established that Fritch's claimed invention was prima facie obvious in Board states that "a collective evaluation of the Wilson and the Hendrix patents would pendent claims 1, 13, 24, and 29 obvious to one of ordinary skill." Fritch maintains that view of the teachings of the prior art. The have rendered the subject matter of indethere is no teaching, suggestion, or incentive in the prior art to modify or to combine the

· teachings of the prior art in the manner suggested by the Examiner. We agree.

to be dug in order to allow the anchoring leg to be placed into the ground if the condition of the soil requires it. This anchoring leg prohibits flexibility and conformability over its teaching of a flexible retainer strip that is [3] Wilson teaches a grass edging and watering device which includes an anchoring Wilson contemplates that attrench will need formability in Wilson, which the Board states extends to the entire device, is limited to the mower strip. It is only the mower strip that is mentioned as being flexible in order to the length of Wilson. Any flexibility or conaid installation. Hendrix has been cited for leg for securing the device to the ground able to conform to the ground surface.

ing plants without wetting sidewalks. Wilson lacks any suggestion or incentive to use its this would arguably result in clogged sprin-kler heads. Wilson also teaches that its Wilson addresses the problems of arresting growth of grass between areas and waterwater conduit as a landscape retainer since mower strip is flexible in order to allow dirt or suggestion that one should remove the anchoring leg. Hendrix does not, simply by virtue of its flexible nature, suggest these obvious. Neither Wilson nor Hendrix, alone or in combination, provide any incentive to combine the teachings of the prior art in the manner maintained by the Board. to be packed thereunder. There is no suggestion in Wilson to extend that flexibility to the entire device. Wilson also lacks any teaching extensive changes which the Board states are

teaching or suggestion 103, teachings of re-nation. Under section 103, teachings of re-ferences can be combined only if there is combining the teachings of the prior art to produce the claimed invention, absent some "Obviousness cannot be established by teaching or suggestion supporting the combi-Although couched in terms of combining teachings found in the prior art, the same inquiry must be carried out in the context of may be modified in the manner suggested by a purported obvious "modification" of the prior art. The mere fact that the prior art the Examiner does not make the modification obvious unless the prior art suggested some suggestion or incentive to do so.'

art reference inoperable for its intended purpose.

In re Gordon, 733 F.2d 900, 902, 221 USPQ.

1125, 1127 (Fed. Cir. 1984).

"ACS Hosp. Systems, Inc. v. Montefiore

Hown 732 F.24 1872 1877 211 1877 211 "This court has previously found a proposed modification inappropriate for an obviousness inquiry when the modification rendered the prior USPQ 785, 787-88 (Fed. Cir. 1984).
<sup>10</sup> In re Fine, 837 F.2d 1071, 1074, 5 USPQ2d
-1396, 1598 (Fed. Cir. 1988) (citing In re Lalu,
747 F.2d 703, 705, 223 USPQ 1257, 1258 (Fed. \*In re Piasecki, 745 F.2d 1468, 1471-72, 223 

chandise, or both, and whether it claims whether its claim of likelihood of confusion is based upon its services or its collateral mer-

priority of use of its mark on its collateral

merchandise.

and nemark that to suggest any motivation

Here, the Examiner relied upon hindsight to arrive at the determination of obviousness. obvious.15 This court has previously stated that "[o]ne cannot use hindsight reconstrucby the Examiner and endorsed by the Board, It is impermissible to use the claimed invento piece together the teachings of the prior art so that the claimed invention is rendered tion to pick and choose among isolated disclosures in the prior art to deprecate the tion as an instruction manual or "template" claimed invention." 16

frademark Öffice – Interpartes proceedings — Opposition and cancellation — In general (§325.0305.01)

of marks - Acquisition through use -

Priority of use (§305.0503)

## Conclusion

Opposer which uses mark "Rescue: 911" for its television show, which asserts that it has licensed use of mark on various merchan.

dise items, and which seeks to oppose registration of "911 Rescue Bars," for candy bars, must clearly indicate in its pleading

Likelihood of confusion - In general

(\$335.0301)

The decision of the Board affirming the Examiner's rejection of independent claims 1, 13, 24, and 29 of Fritch's application as unpatentable over the prior art under 35 U.S.C. § 103 is reversed. Since dependent claims are nonobvious if the independent claims from which they depend are nonobvious, the Board's affirmance of the rejection of dependent claims 2-7, 9-12, 14-23, and 30 is also reversed."

REVERSED

#### James V. Mercandante and Rose Marie 85,324 and 85,330, by CBS Inc. against Consolidated trademark oppositions no. Mercandante, d/b/a 911 Rescue Bar, applications serial no. 74/076,762, filed July 9, 1990, and 74/081,873, filed July 25, 1990, in which applicants counterclaim to cancello poser's pleaded registration. On oppose motion to amend its answer to counterclai and on applicant's motions to strike obj er's affirmative defenses, and for judgin on the pleadings. Motion for judgment pleadings granted in part.

David S. Fishman, Windsor, Conn applicants.

Marshall J. Nelson, Washington, D.C., opposer. Before Sams, Rice, and Quinn, membersit

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## By the board.

Mercandante filed applications to regist James V. Mercandante and Rose Ma

ent claims stand or fall with the independent

claims from which they depend)

(Fed. Cir. 1983) (when argued together, depend-

## Trademark Trial and Appeal Board U.S. Patent and Trademark Office

CBS Inc. v. Mercandante

Nos. 85,324 and 85,330 Decided June 15, 1992 " In re Gordon, 733 F.2d at 902, 221 USPQ

<sup>13</sup> In re Gorman, 933 F.2d 982, 987, 18 USPQ2d 1885, 1888 (Fed. Cir. 1991). See also Interconnect Planning Corp. v. Feil, 774 F.2d 1132, 1138, 227 USPQ 543, 547 (Fed. Cir. " In re Fine, 837 F.2d at 1075, 5 USPQ2d at

1600 (citing Hartness Int'l, Inc. v. Simplimatic Eng's Co., 819 F.2d 1100, 1108, 2 USPQ2d 1826, 1831 (Fed. Cir. 1987)). See also In re Sernaker, 702 F.2d 989, 991, 217 USPQ 1, 3 "In re Fine, 837 F.2d at 1076, 5 USPQ2d at

1. Acquisition, assignment, and maintenance Practice and procedure in Patent and Infringement; conflicts between marks for, or desirability of, the changes espoused

TRADEMARKS AND UNFAIR TRADE PRACTICES

Ruiz v. A.B. Chance Co.

make that argument to the Trademark Office."

[3] AEF says that district courts are given

ing the trademark registration process under clear statutory authority over actions regard-

15 U.S.C. § 1119, which states that "[i]n any the cancelation of registrations, in whole or in action involving a registered mark the court may determine the right to registration, order

wise rectify the register with respect to the registrations of any party to the action." AEF part, restore canceled registrations, and othercites Avon Shoe Co. v. David Crystal, Inc., 279 F.2d 607, 609 [125 USPQ 607] (2d Cir.

plaintiff's use of the "Haymakers" mark and court's order directing the PTO to dismiss the plaintiff's opposition and grant the concurrent 1960), which involved a dispute over the the defendant's use of the "Haymaker" mark. The Second Circuit affirmed the district

registration of defendant's mark. Id. at 614-16. This case is factually distinguishable from sue are not the same. The issue in this case Avon Shoe, however, because the marks at iswas whether AEF's activities infringed or di-

volve AEF's rights in the "American Eagles Records" mark. While the district court may luted EL's "Eagles" mark; the case did not inhave had general authority under 15 U.S.C.

§ 1119 to order the PTO to take action, it did ing a mark that was not properly before it. See not have the authority to decide issues regard-

Old Dutch Foods, Inc. v. Dan Dee Pretzel & Potato Chip Co., 477 F.2d 150, 157 [177

[138 USPQ 353] (4th Cir. 1963) (directing the PTO to issue a registration for the plaintiff's dant with limitations); Durox Co. v. Duron Paint Mfg. Co., 320 F.2d 882, 883, 885-86 mark after the plaintiff properly raised the issue of validity in the complaint); Massa v USPQ 496] (6th Cir. 1973) (directing the PTO to issue a concurrent registration to the defen-

Further, the prospect of dismissal of the the first time in its motion for reconsideration AEF failed to raise the argument as a counig for dismissal is not based on the merits buy PTO opposition was not properly before district court because AEF raised the issue; claim to the infringement action. Hence, cording to the procedural posture of the go and by AEF's own admissions, its, argum in the record. The district court denied AEF's be prohibited from pursuing the Opposition action in the Trademark Office because of the result in this case, then defendant needs to If defendant believes that the plaintiffs should the opposition, although EL's statement is not request and held that "[t]he issue of estoppel is before the Trademark tribunal not this court.

trict court, must determine the preclusiye, an estoppel theory. As the district court, narily enforced by awaiting a second action party asserting estoppel. The PTO, not the rectly pointed out, estoppel issues are to which they are pleaded and proved by fect of EL's statements.

Even if the issue of estoppel was proper was reasonable and not an abuse of discreti action in this case, the district court's decibefore the district court, however, in lig failure to reach the merits of the under the PTO's expertise and the district

# III. CONCLUSION

abuse its discretion by refusing to dismiss if pending trademark opposition. The district court adequately articulated reasons for denying attorney's fees and co applied the correct legal standard for "ex in its discretion denied AEF's request for tomey's fees. The district court also did lional" cases under 15 U.S.C. § 1117(a)

W. Arrest Area Accordingly, the district court's decision **AFFIRMED** 

Ruiz v. A.B. Chance Co. To septer of Canada

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Tech Transfer

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No. 03-1333

Decided January 29, 2004 THE FIRST May Triber

## PATENTS

MUCIL

THE CONTRACTOR .

# [1] Patentability/Validity — Obviousnes — Combining references (§:115.0905

improper "hindsight" determination, buefin of express, written motivation to combined bine prior art references, without engagings there was suggestion or motivation rio ප්රි Obviousness analysis requires court to ing of obviousness does not require existen sess invention as whole to determine whee

> liffy Prods. Co., 240 F.2d 702, 704, 707 [112 USPQ 241] (9th Cir. 1957) (directing the PTO to cancel the "Jiffy" mark for the plaintiff and award a registration for the same mark to the

inginventors to look to references relating to nior art; since motivation to combine may be ound in nature of problem to be solved, leadagasible solutions to that problem.

Patentability/Validity — Obviousness Combining references (§ 115.0905)

Patentability/Validity — Obviousness PECOmmercial success (§ 115.0908)

bearing member, and since record supports method, and that it was widely known at time of prior art that underpinning system requires means of connecting foundation to loadcourt's discounting of defendant's commercial push piers used in original metal bracket prior art, since each cited reference addresses evidence that prior artisans' work showed that screw anchors worked better than straight with metal brackets used in prior art patents to achieve invention of patents for method of dations, even though there was no express exact same narrow problem of underpinning existing structural foundations, since there is ombine screw anchors of prior art method stabilizing or "underpinning" building founwritten motivation to combine references in Hederal district court did not clearly err in concluding that it would have been obvious to uccess as evidence of nonobviousness. Particular patents - General and mechanical — Building stabilization

5,139,368, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity affirmed.

5,171,107, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity, affirmed. Appeal from the U.S. District Court for the Eastern District of Missouri, Perry, J.

quitable estoppel, and tortious interference ging infringement of its patents. District court granted summary judgment for defenco. for declaratory judgment that defendant's pagints are invalid and not infringed, and for discrimination pursuant to 42 U.S.C. § 1981, breach of implied duty of ood faith and fair dealing, promissory and ith contract and prospective business relaions, in which defendant counterclaimed al-Action by Richard Ruiz and Foundation Anchoring Systems Inc. against A.B. Chance

trict court again found claims invalid as obvimanded (57 USPQ2d 1161). On remand, disdant on nonpatent claims, and at trial found that patents were infringed, but that patent claims at issue were invalid for obviousness. Judgment of invalidity was vacated and reous, and defendant appealed. Affirmed.

Matthew A. Rosenberg, of Blumenfeld, Kaplan & Sandweiss, St. Louis, Mo., for Prior decision: 57 USPQ2d 1161.

plaintiffs-appellees.

John H. Quinn III and Andrew B. Mayfield, of Armstrong Teasdale, St. Louis, defendant-appellant.

Before Newman, Michel, and Rader, circuit

Before Incominan, Millian Basing Basi cerning the motivation to combine the prior § 103. Because the district court made no clear error in its factual determinations conart teachings and the merit of Chance's asserted secondary considerations, this court af-[57 USPQ2d 1161] (Fed. Cir. 2000), **Re** United States District Court for the East **3** District of Missouri found defendant-appell (41) A.B. Chance Company's (Chance) patengol underpinning system obvious under 35 U.S

and a transversely extending load-bearing tise in stabilizing slumping structures into the residential and commercial building markets Chance used screw anchors with a meta bracket to underpin these building founda ing and rotates the screw anchor to bore be neath the footing. When resistance to rotatio of the screw anchor reaches a specified point Chance attaches a metal bracket (designate as 30 in the Figure below) to the slouchin foundation to transfer the building load ont the screw anchor. The United States Pater gated shafts with an earth-boring (screw) tip places the screw anchor adjacent to the foot and Trademark Office issued U.S. Patent No 5,139,368 and 5,171,107 to Chance in 195 for use in supporting and stabilizing electrical transmission towers. Screw anchors are elonmember. In 1988, Chance extended its expercovering this screw anchor system. Figure 5 tured screw anchors, also called helical piers, Since about 1970, Chance has manufacthe '107 patent shows the technology: tions. The Chance underpinning

69\*USPO2d

Chance's underpinning system. During the early 1990s, Ruiz also formed various other anchoring companies and marketed systems Appellees Richard Ruiz and his company that competed with the Chance system. In Foundation Anchoring Systems, Inc. (collectributorship. Thereafter, Ruiz began marketing an underpinning system with screw anchors February 1997, Chance terminated Ruiz's disand metal brackets. This new system used components from other manufacturers. Ruiz filed suit against Chance in August of that ness relations, and breach of fiduciary duty of good faith and fair dealing. Ruiz also filed for a declaratory judgment that its new underpinning system does not infringe Chance's patents and that the patents are invalid. Chance same year alleging various non-patent claims, including discrimination, breach of contract, tortious interference with contract and busifiled a counterclaim for patent infringement. "Ruiz") became distributors

The validity question focuses on several prior art references. During the late 1980s, Richard Fuller and Stan Rupiper used screw anchors for underpinning existing structural

foundations. Fuller and Rupiper usedita consistent the load of the foundation to the screw ancided the load of the foundation to the screw ancided (the "Fuller-Rupiper method"). "Gregory's U.S. Patent Nos. 4,911,580 and 4,76,5777. claim an apparatus and system for underpind ning structural foundations using a pustrane and a metal bracket In the Gregory, system the metal bracket transfers the foundation, load to the push pier, which is driven into the ground to supply the necessary foundational support. The push pier relies on soil frictionitial support. The push pier relies on soil frictionitial supply that support. Figure 6 of the cossion patent shows this technology.

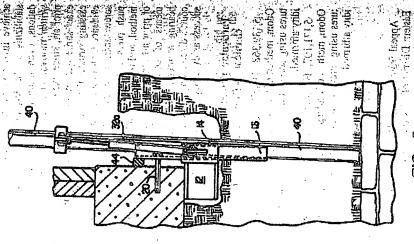


FIG. 6. The second of the state of the state

The scope of the claims in this case is not at issue in this appeal, because the partissed agree that the claims are infringed or invalidated by the use of a screw anchor in conjunction with a metal bracket to underpine a foulfill dation. Additional information concerning the claims and the other aspects of this case applear in this court's opinion in Ruiz vi Angle Chance Co., 234 F.34 654 [57 USPQ24 116ij]. (Fed. Cir. 2000). Examination of the prior are

shows that the Fuller-Rupiper method discloses the screw anchor component of the flaims, the Gregory system discloses the metal-bracket component in the claims. Thus, this appeal is properly focused on the motivation to combine those teachings, as well as ally secondary considerations that might infortule obviousness analysis.

Ruiz's product infringes the patent claims to "The district court granted summary judgclaims, the district court held a Markman validity. At the time of trial, the scope of the ofathe 107 patent. After the trial, the district court entered its judgment from the bench that are invalid under 35 U.S.C. § 103 in light of ment in favor of Chance on all of Ruiz's nonpatent claims in April 1999. On the patent hearing; to construe the claims and a bench trial to decide the issues of infringement and casë had narrowed to focus on claims 1-4 and 68, of the '368 patent and claims 1-4 and 6-8 the tune of \$540,000 in damages. Nonetheless; the trial court determined that the claims the Gregory patents and the Fuller-Rupiper

F. This court heard the appeal from that judgment and affirmed every holding of the district court except, the finding of obviousness. In *Ruggi* 234, F.3d at 660, this court remanded the ease to the district court for further examination of obviousness. This court issued the following instructions:

Parameter of control of the district court to whitake specific Graham findings on: 1) the Presson, suggestion, or motivation present in Public prior art, in the knowledge of one of call in the art, or in the problem of foundation settling which clearly and particularly would lead one of ordinary skill in the art of combine screw anchors with metal orders; 2) the level of ordinary skill in the art of the complexity of secondary consideration, such as the commercial success, long felt but unregional process, long felt but unregional consideration, such as the complexity of secondary consideration, such as the consideration in the obvicación of secondary is probative in the obvicación secondary.

10,33

Tethe district court invited additional briefing and oral argument on the remand issues. Having reconsidered the evidence of the case, the district court again found the relevant claims invalid as obvious and issued an opinion outliming its factual findings according to this court's instructions. Of particular significance, the district court found the motivation to combine the teachings of the Gregory patents and

the Fuller-Rupiper method in the nature of the problem of underpinning foundations itself, explaining:

The Rupiper method and the Gregory patent can be combined in either of two ways to reach the same result as the method covered by the patents in issue here: by replacing the concrete haunch of the Rupiper method with the bracket of the Gregory patent, or by replacing the straight pilling of the Gregory patent with the screw anchor of the Rupiper method. The evidence in this case showed that there was reason, suggestion or motivation to make these combinations... The problem is the same: how to underpin an unstable foundation of an existing building.

The district court also discounted Chance's proffered objective evidence of commercial success and skepticism of experts as weak. Specifically, the district court found that the alleged skepticism of Chance's system by Rupiper was merely an acknowledgement that Rupiper's concrete haunch worked better than a metal bracket in seismic areas, such as California. The record indeed does not show that Rupiper doubted that Chance's system would work in general. In addition, the district court attributed Chance's commercial success to its background and experience in screw anchors rather than any inventive features of the screw anchor-metal bracket system as a whole.

Chance now appeals again, arguing that the district court, as it did in its original judgment, employed hindsight to find obviousness. Specifically, this appeal involves two challenges to the district court's obviousness determination: 1) whether the district court clearly erred in finding an implied motivation to combine the prior art teachings in the nature of the problem of underpinning existing foundations, and 2) whether the district court clearly erred in discounting Chance's evidence of secondary considerations. Jurisdiction over this appeal is proper under 28 U.S.C. § 1295.

-

Section 103 of title 35 of the United States Code states:

A patent may not be obtained . . . if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains.

Motorvac Technologies Inc. v. Norco Industries Inc.

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section 103 specifically requires consideration elements."). The "as a whole" instruction in of the claimed invention "as a whole." Invening principles or features. Envtl. Designs, Ltd. v. Union Oil Co., 713 F.2d 693, 698 [218 tually all [inventions] are combinations of old an invention into its component parts (A + B + C), then find a prior art reference containing soning, using the invention as a roadmap to In making the assessment of differences, USPQ 865] (Fed. Cir. 1983) (noting that "virtitle 35 prevents evaluation of the invention part by part. Without this important requirement, an obviousness assessment might break A, another containing B, and another containfind its prior art components, would discount tures or principles in a new way to achieve a tions typically are new combinations of existing C, and on that basis alone declare the invention obvious. This form of hindsight reathe value of combining various existing feanew result - often the very definition of inven-

requiring assessment of the invention as a whole. This court has provided further assurproblems as the inventor and with no knowl-Section 103 precludes this hindsight discounting of the value of new combinations by ance of an "as a whole" assessment of the invention under § 103 by requiring a showing that an artisan of ordinary skill in the art at the time of invention, confronted by the same edge of the claimed invention, would select the various elements from the prior art and combine them in the claimed manner. In other words, the examiner or court must show some itself, to make the new combination. See In re Rouffet, 149 F.3d 1350, 1355-56 [47 USPQ2d suggestion or motivation, before the invention 1453] (Fed. Cir. 1998).

ousness is a legal conclusion reviewed by this ways entails various factual findings that this court reviews for clear error following a While the ultimate determination of obvidard permits reversal only when this court is Clark, Inc., 163 F.3d 1326, 1332 [49 USPQ2d 1001] (Fed. Cir. 1998). The clear еггог stanpench trial. See Weatherchem Corp. v. J.L. eft with a "definite and firm conviction" that the district court was in error. Amhil Enters. 1d. v. Wawa, Inc., 81 F.3d 1554, 1562 [38 court without deference, that determination al USPQ2d 1471] (Fed. Cir. 1996).

ing factual determinations in its obviousness analysis. Accordingly, this court will review This case deals with a challenge to the district court's conclusion on two of the underly-

Wang, 202 F.3d 1340, 1348 [53], USPQ24 he teachings in the prior art references, was shown, see Winner Int'l Royalty Corputs for clear error the district court's conclusions 996), and whether a motivation to combine regarding objective, secondary consideration see Pro-Mold v. Great Lakes Plastics, 75,E 568, 1572 [37 USPQ2d 1626] (Fed.) 580] (Fed. Cir. 2000).

tivation to combine the teachings in the Great hindsight to find that a person of ordinary skilling The district court in this case presided even gory patents with the Fuller-Rupiper methodsy tively simple technology: See McGinleysion Franklin Sports, Inc., 262 F.3d 1339; 1351/1601 USPQ2d 1001] (Fed. Cir. 2001). Accordinglys district courts about the risk of hindsight real a bench trial and reconsidered the evidence of remand. Chance's principal argument isothan the district court clearly erred in finding almost Chance cites this court's precedent that warms construction to find an invention obvious where the invention at issue involves relati Chance argues that the district court utilizeds would have been motivated to combine ther prior art teachings.

[1] To the contrary, the record in this case supports the trial court's findings. While this court indeed warns against employing hinds of obviousness. Stated differently, this courts sight, its counsel is just that - a warning of that warning does not provide a rule of law that and appear in prior art references before, a, finding express, written motivation to combine must has consistently stated that a court or exam-1685] (Fed. Cir. 1996). This form of moun 282 F.3d 1340, 1346-47 (Fed. Cir. 2002) '''' Huang, 100 F.3d 135, 139 n.5 [40 ÜSPÕ iner may find a motivation to combine pr art references in the nature of the problem be solved. See Pro-Mold, 75 F.3d, at 15 evant with simpler mechanical technologie tion to combine evidence is particularly Display Techs., Inc. v. Paul Flum Idea

cisely the same problem of underpinning ext bine because the two references address presis, but properly found a motivation to com oundations. Chance then added animeta shows that Rupiper introduced Chance to if did not use hindsight in its obviousness ana isting structural foundations. Moreover; record supports the district count's, facing use of screw anchors in underpinning build [2] This record shows that the district of straight push piers. In fact, the evide showed that screw anchors worked better. inding that Fuller's and Rupiper bracket to the screw anchor.

到版erecord also supports the district court's widely known. Thus, the district court could properly conclude on this record, without being clearly in error, that a person of ordinary skill would be led to combine the screw ancide in the Fuller Rupiper method with the metal bracket in the Gregory system to underpinant existing building foundation. asmetal bracket to connect a foundation to a straight pier, and testimony at trial showed that the need for a connecting element was tion underpinning system requires a means of connecting the foundation to the load-bearing member. The Gregory patents teach the use of conolusion that artisans knew that a founda-

in fatal to the district court's obviousness de-termination. As noted earlier, this court has re-peacely, stated that the motivation to combine suil the references and apply their teachings the teachings in the prior art may "come from the mature of a problem to be solved, leading sible solutions to that problem." Pro-Mold; 75 F3dat 1573. The district court in this case apdes the narrow problem of underpinning ex-liting building foundations, a person seeking to solve that exact same problem would contögether. Thus the district court's conclusion is thing record, it is true, does not feature an express written teaching in the art to make this combination. On this record, however, that is plied that settled law. The district court, sitting as a finder of fact, weighed the evidence and foundfinat; because the prior art references adinventors to look to references relating to posperfectly legitimate when the evidence supports it; as it does here.

clusion! For instance, the trial court dismissed nation The district court declined to credit than its own alternative view of the evidence. While the record does contain some evidence addition; the district court in this case did not simply discount all contrary evidence and bolmonythat actually supported its ultimate conthe lestimony of Robert Jones, a Chance dis-The trial court's careful consideration of Mr. lones' evidence shows further that it performed a detailed and reasoned analysis of the evidence; rather than a conclusion-oriented against the district court's finding, such evidence is not overwhelming by any means. In preformed conclusion. In fact, the district tributor, that he would have made the combicourt discounted and discredited some testimore than an ordinary level of skill in this art discussion that typically accompanies a hindsterialmeager amount of evidence to reach

sight analysis. In short, the record in this case does not approach the evidence necessary to leave this court with a firm conviction that the tual finding of a motivation to combine the district court committed clear error in its fac-Fuller-Rupiper and Gregory teachings.

success was not due to Chance's alleged bined with being the first large screw anchor Finally, the record also supports the district court's discounting of Chance's evidence of secondary considerations. The record supports the trial court's finding that any commercial combination, but rather due to Chance's experience with screw anchors commanufacturer to enter the underpinning market. The district court did not clearly err in reaching this conclusion, nor in concluding that the evidence of skepticism was weak. unique

art references in the nature of the problem at Based on the above analysis, this court holds that the district court did not clearly err in finding a motivation to combine the prior issue. In addition, this court holds that the district court did not clearly err in discounting ations. Accordingly, this court affirms the Chance's evidence of secondary considerjudgment of the district court.

## COSTS

Each party shall bear its own costs.

## AFFIRMED

# Motorvac Technologies Inc. v. Norco Industries Inc.

"Chance's argument amounts to little more

### No. SACV 02-503 DOC (ANx) Central District of California Decided January 12, 2004 U.S. District Court

## **PATENTS**

# [1] Infringement — Defenses — Estoppel; laches (§ 120.1103)

laches has not provided affirmative evidence Accused infringer moving for summary judgment that infringement claim is barred by that patentee's delay of three and one-half years in filing suit was unreasonable, since since, in undertaking reexamination of its such delay is not excessive on its face,

# Court of Appeals, Federal Circuit

In re Fritch

No. 91-1318

Decided August 11, 1992

### AND PRACTICE OCEDURE DICIAL

# Procedure - Judicial review - Standard of review - Patents (§410.4607.09)

imed invention and prior art, which are bviousness determination is based on unconcerning iewed for clear error on appeal, but ultite conclusion of obviousness is reviewed inquiries factual natter of law.

### **TENTS**

# Patent construction — Claims — Broad or narrow (§125.1303)

uld inhibit longitudinal flexibility, and ce patent's express teaching that trench is Prior art patent for grass edging and tering device cannot be held to teach that ice is flexible and conformable to ground its entirety, since base portion of device essary to install device in harder ground ludes prominent anchoring leg which ws that it is not freely conformable

## Relevant prior art - Particular inven-Patentability/Validity - Obviousness tions (§115.0903.03)

# Patentability/Validity - Obviousness Combining references (§115.0905)

prima facie obvious in view of combined ice, and since secondary reference does merely by virtue of flexibility of device Claims for landscape edging device are chings of two prior patents, since primary ions which would bring primary reference erence does not suggest overall flexibility l landscape retention function of claimed cribed therein, suggest extensive modifio conformity with application claims.

## Patentability/Validity -- Obviousness --Combining references (§115.0905)

Mere fact that prior art may be modified reflect features of claimed invention does make modification, and hence claimed ention, obvious unless desirability of such imed invention cannot be used as instrucn manual or "template" to piece together chings of prior art so that claimed invendification is suggested by prior art; n is rendered obvious.

Appeal from the U.S. Patent and Trademark Office, Board of Patent Appeals and interferences.

Patent application of John R. Fritch (serial no. 06/838,721, landscape apparatus and method). From decision upholding rejection of application claims 1-7, 9-24, 29 and 30, applicant appeals. Reversed.

John R. Fritch, Corpus Christi, Texas, on Charles L. Gholz, of Oblon, Spivak, McClelland, Maier & Neustadt, Arlington, Va. brief), for appellant. fameson Lee, associate solicitor (Fred E. McKelvey, solicitor, with him on brief; Richard E. Schafer, of counsel), for appellee. Before Smith, senior circuit judge, and Plager and Rader, circuit judges.

## Smith, J.

John R., Fritch (Fritch) appeals the 27 February 1991 decision of the Patent and Trademark Office Board of Patent Appeals and Interferences (Board) affirming-in-part the Examiner's final rejection of the remain-Landscape. Edging Apparatus and Method. The Examiner, concluded that Fritch's ordinary skill in the art and was, therefore unpatentable under 35 U.S.C. § 103. The ing claims in Fritch's application, entitled invention would have been obvious to one of Board, except for allowing claim 28, agreed. The Board's decision is reversed.

## Issue

drix rendered the subject matter of Fritch's independent claims 1, 13, 24, and 29 obvious The issue is whether the Board erred in affirming the Examiner's determination that the prior art references of Wilson and Hento one of ordinary skill in the art. . g.,

# 

the rejection as to claims 1-24, 29 and 30, entered a new ground of rejection for claim ed claims 1-24 and 27-30 of Fritch's applica-tion as unpatentable for obviousness under 35 U.S.C. § 103. Fritch appealed the final rejection to the Board. The Board affirmed agreed with the Examiner that the teachings 27, and reversed as to claim 28. The Board of the Wilson and Hendrix patents rendered in his final rejection, the Examiner reject-

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In re Fritch

in the art. Fritch does not appeal the Board's argument withdrew the appeal as to claim 8. The claims remaining in this appeal are 1-7, 13, 24, and 29 obvious to one of ordinary skill disposition as to claims 27 and 28, and at oral the subject matter of independent claims

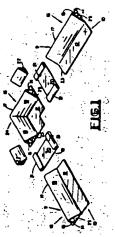
# The Fritch Invention

The invention claimed by Fritch involves a landscape edging, device which includes a ing retainer portion. The base portion is elongate, thin, flexible and has a planar planar base portion and an upwardly extendbottom surface conformable to a varying slope ground surface. One longitudinal edge of the base portion serves as a mowing strip fused) to the base portion and defines, a ongitudinally extending enclosed space. The Fritch invention is intended to be used as a retainer for landscape fill in order to sepaand the other serves as a retaining flange for landscape fill. The upwardly extending rerate unmowable landscape fill from the mowable lawn. It may also be used to secure a landscaping sheet to the ground, or to Independent claims 1 and 13 on appeal are 711. A landscape edging strip formed in its tainer portion is integrally connected (e.g. function as guards at the base of a fence. representative of the subject matter claimed: varying slope, comprising a continuous elongate, thin gauge, flexible base portion entirety of a thin gauge, flexible material and conformable to a ground surface of having a planar bottom surface conformable to said varying slope ground surface; à thin gauge, elongate retainer portion integral with said base portion and extending upwardly therefrom and transversely thereover to overlie a portion of said base ing a longitudinally extending enclosed "space; said retainer portion being integralportion; all of said retainer portion, definone longitudinal edge of said base portion to define a mowing strip adjacent the If Iy connected to said base portion adjacent other longitudinal edge of said base

2.13. A landscape edging strip formed in its varying slope, comprising a continuous elongate, thin gauge, flexible base portion - having a planar bottom surface conformentirety from thin gauge, flexible material and conformable to a ground surface of e sable to said varying slope ground surface.

tending upwardly therefrom and transversely thereover to overlie a portion of integral with said base port ion and exsaid base portion; all of said retainer portion defining a longitudinally extending enclosed space; said retainer portion being integrally connected to said base portion at a transverse location between the longitudinal edges of said base portion, thereby defining a longitudinally extending retaining flange on one side of said retainer portion and a mowing strip on the other side of said retainer portion.

The critical language in Fritch's independent claims is that the device is to be, in its ambles, "are necessary to give meaning to the claim[s] and properly define the inven-tion." Figure 1 from Fritch's drawings is entirety, both flexible and "conformable to a ground surface of varying slope". These limitations, although located in the claims' prereproduced below:



a. The Wilson Patent The Prior Art

The Wilson patent relied upon by the Examiner and the Board is entitled "Grass bodiment of the Wilson device includes a The emscored flange which may be broken off when not needed or wanted. Between the mowing substantially flat mowing strip extending horizontally from a longitudinally extending body portion. Opposite the mowing strip is a strip and the flange, and extending vertically portion which contains a water conduit and sprinkler head assembly. The device is in-Located above the anchoring leg is the body tended to be used adjacent to the borders of from the body portion is an anchoring leg. walks and plant beds. Figures 1 and 4 from Wilson's drawings are reproduced below: Edging and Watering Device"

<sup>&</sup>lt;sup>2</sup> Perkin Elmer Corp. v. Computervision Corp., 732 F.2d 888, 896, 221 USPO 669, 675 <sup>2</sup> Perkin

In the final office action dated October 31, 2006, the Examiner sets forth two grounds for rejection.

First, the Examiner rejects Claims 38-44 under 35 U.S.C. § 112 as being indefinite.

Secondly, the Examiner rejects Claims 38-44 under 35 U.S.C. § 103(a) as being unpatentable over Shaw et al. (U.S. Patent 4,650,484) in view of Stanley et al. (U.S. Patent 4,885,173), Fung et al. (U.S. Patent 5,278,192) and Ragauskas et al. (U.S. 5,388,583).

#### IV. <u>STATUS OF AMENDMENTS</u>

There were no amendments filed after the final rejection dated October 31, 2006.

#### V. SUMMARY OF CLAIMED SUBJECT MATTER

The invention of Claim 38 is a titration system for treating a disease caused by insufficient cerebral perfusion. The system employs a flow measuring device to test for cerebral vasospasms (page 4, lines 17-19), a dosage device that administers a vasospasm reducing dosage of a particular medicine with the dosage device being adjustable over time to titrate the dosage either upwards or downwards or substitute another medicine to minimize severity of the vasospasm (page 7, lines 26-31).

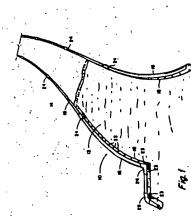
The invention of Claim 39, incorporating all of the limitations of Claim 38, identifies the flow measuring device comprising transcranial Doppler measuring means (page 3, lines 2-4 and Fig. 1).

The invention of Claim 40, incorporating all of the limitations of Claim 38,

# b. The Hendrix Patent

hose not to discuss the Hendrix reference in solicitor overstates the Board's position. The Board based its decision upon "a collective The Hendrix patent is entitled "Loose Material Retainer Strip". The Solicitor is brief, stating that the Board had deemed fendrix unnecessary to its decision. The valuation of the Wilson and Hendrix patints". We include Hendrix in our discussion secause it did play a role in the rejection of ritch's independent claims.

The Hendrix device is composed of elongated, flexible strips having substantially ours, and the top lip will yield laterally to ways. Figure 1 of Hendrix's drawings is levice is to be wider than the top lip in order to facilitate fastening the device to the ground. The device will fit most gentle constrip is installed such that it faces the materislates that the retainer will be used in retain-C-shaped cross-section. The bottom lip of the edistributed. The concave portion of the il to be retained in place. Hendrix contemng gravel in driveways, lining flower beds, or on the shoulders of asphalt or concrete higheproduced below:



# Standard of Review

[1] "[O]bviousness is a question of law to be determined from the facts." The obviousness determination "is based upon underfactual inquiries concerning the which are reviewed for clear error.6 However, it is the Federal Circuit reviews as a matter of the ultimate conclusion of obviousness which claimed invention and the prior art" ying law.

# Teachings of Wilson

the Wilson patent. The Examiner's rejection use of Wilson in view of other references to declare the Fritch invention obvious. The Board states that it agrees with the Examin-Fritch takes exception to the Examiner's findings of fact related to the teachings of and the Board's opinion rely heavily on the er's finding of fact regarding the teachings of Wilson. In the Examiner's answer, which the Board quotes, the Wilson device is described as follows:

elongated flexible base portion including a Wilson discloses a landscaping edging mower strip B having a planar bottom surface conformable to a varying slope strip comprising a relatively thin gauge surface.

presents "substantial evidence that Wilson is both thin and flexible." The Board regards the Wilson device as teaching that it is flexi-ble and conformable in its entirety. This The Board states that the Wilson reference finding demonstrates clear error.

(2) It is well settled that a prior art reference is relevant for all that it teaches to those cludes a prominent anchoring leg to secure of ordinary skill in the art. The base portion of Wilson is not planar in its entirety, as the Board's opinion suggests, but also inthe device to the ground. The anchoring leg, would inhibit longitudinal flexibility of the templates flexibility and conformability only in the mower strip. Wilson states that its mower strip may be lifted in order to pack dirt thereunder for the purpose of securing the device to the ground. Fritch, on the other Wilson device. Indeed, Wilson expressly conwhich runs the length of the Wilson device hand, is claimed to be flexible in its entirety JIn re De Blauwe, 736 F.2d 699, 703, 222 USPQ 191, 195 (Fed. Cir. 1984).

In re Kulling, 897 F.2d 1147, 1149, 14 USPQ2d 1056, 1057 (Fed. Cir. 1990).

Jin re De Blauwe, 736 F.2d at 703, 222 USPQ at 195. dukter AB, 892 F.2d 1547, 1551, 13 USPQ2d ج Beckman, Instruments Inc.

. . . . . . . . . . . .

23 USPO2d

The Board's holding that Wilson is flexible in its entirety is based upon a misapprehension of the scope of Wilson's teachings.

Second, Wilson's anchoring leg prohibits conformability to the ground surface in the manner claimed by Fritch. The Examiner's it must be placed into the ground. Wilson bottom surface conformable to a varying slope surface" is applicable only in reference expressly teaches that the anchoring leg may description of Wilson as having a "planar to the mower strip. This description, however, ignores the anchor leg and the fact that be pushed into soft soils, but in harder terrain a trench is needed in order to place the Wilson sprinkler system. In order to install the Wilson apparatus, the ground surface must be altered to conform to the device rather than, as the Solicitor contends, that Fritch, on the other hand, does not require such extensive alteration of the ground sur-Wilson is freely conformable to the ground. face in order to install the device.

# Prima Facie Obviousness

In proceedings before the Patent and Trademark Office, the Examiner bears the burden of establishing a prima facie case of "[The Examiner] can satisfy this burden only by showing some objective teaching in the prior art or that knowledge generally available to one of ordinary skill in the art obviousness based upon the prior art.9 would lead that individual to combine the relevant teachings of the references." 10 The erly made out, or the applicant may present objective evidence tending to support a condition of annohaviousness. patent applicant may then attack the Examiner's prima facie determination as improp-

Fritch has attacked the Board's finding that the Examiner established that Fritch's claimed invention was prima facie obvious in Board states that "a collective evaluation of the Wilson and the Hendrix patents would pendent claims 1, 13, 24, and 29 obvious to one of ordinary skill." Fritch maintains that view of the teachings of the prior art. The have rendered the subject matter of indethere is no teaching, suggestion, or incentive in the prior art to modify or to combine the

the prior art in the manner suggested by the Examiner. We agree.

leg for securing the device to the ground. Wilson contemplates that a trench will need tering device which includes an anchoring to be dug in order to allow the anchoring leg of the soil requires it. This anchoring leg that is mentioned as being flexible in order to aid installation. Hendrix has been cited for 3 Wilson teaches a grass edging and wato be placed into the ground if the condition the length of Wilson. Any flexibility or conformability in Wilson, which the Board states extends to the entire device, is limited to the mower strip. It is only the mower strip its teaching of a flexible retainer strip that is prohibits flexibility and conformability over able to conform to the ground surface.

Wilson addresses the problems of arresting plants without wetting sidewalks. Wilson lacks any suggestion or incentive to use its kler heads.12 Wilson also teaches that its mower strip is flexible in order to allow dirt to be packed thereunder. There is no suggestion in Wilson to extend that flexibility to the entire device. Wilson also lacks any teaching or suggestion that one should remove the anchoring leg. Hendrix does not, simply by virtue of its flexible nature, suggest these ing growth of grass between areas and waterwater conduit as a landscape retainer since this would arguably result in clogged sprinextensive changes which the Board states are obvious. Neither Wilson nor Hendrix, alone or in combination, provide any incentive to combine the teachings of the prior art in the manner maintained by the Board.

combining the teachings of the prior art to produce the claimed invention, absent some nation. Under section 103, teachings of references can be combined only if there is some suggestion or incentive to do so." 13 [4] "Obviousness cannot be established by teaching or suggestion supporting the combi-Although couched in terms of combining teachings found in the prior art, the same prior art. The mere fact that the prior art may be modified in the manner suggested by inquiry must be carried out in the context of a purported obvious "modification" of the the Examiner does not make the modification obvious unless the prior art suggested

<sup>&</sup>quot;This court has previously found a proposed modification inappropriate for an obviousness inquiry when the modification rendered the prior art reference inoperable for its intended purpose. In re Gordon: 733 F.2d 900, 902, 221 USPQ 1125, 1127 (Fed. Cir. 1984). USPQ 785, 787-88 (Fed. Cir. 1984).

10 In re Fine, 837 F.2d 1071, 1074, 5 USPQ2d
11296, 1158 (Fed. Cir. 1988) (citing In re Lalu,
747 F.2d 703, 705, 223 USPQ 1257, 1258 (Fed. \* In re Piasecki, 745 F.2d 1468, 1471-72, 223 Cir. 1988)). 37-01 In re Heldt, 433 F.2d 808, 811, 167 USPO

Horn 732 F 24 1872 1877 121 11500 CALL

TRADEMARKS AND UNFAIR TRADE PRACTICES

any nemark ian to suggest any motivation for, or desirability of, the changes espoused

Here, the Examiner relied upon hindsight to arrive at the determination of obviousness. It is impermissible to use the claimed invento piece together the teachings of the prior art so that the claimed invention is rendered obvious.15 This court has previously stated that "[o]ne cannot use hindsight reconstrucclosures in the prior art to deprecate the

tion as an instruction manual or "template"

by the Examiner and endorsed by the Board.

1. Acquisition, assignment, and maintenance of marks - Acquisition through use -Priority of use (§305.0503)

ceedings - Opposition and cancellation Practice and procedure in Patent and Frademark Office - Interpartes pro-- In general (§325.0305.01)

Likelihood of confusion - In general Infringement; conflicts between marks -(§335.0301) Opposer which uses mark "Rescue: 911" for its television show, which asserts that it has licensed use of mark on various merchantration of "911 Rescue Bars," for candy bars, must clearly indicate in its pleading dise items, and which seeks to oppose regiswhether its claim of likelihood of confusion is based upon its services or its collateral merchandise, or both, and whether it claims priority of use of its mark on its collateral merchandise.

tion to pick and choose among isolated dis-

claimed invention." 16

The decision of the Board affirming the Examiner's rejection of independent claims 1, 13, 24, and 29 of Fritch's application as unpatentable over the prior art under 35 U.S.C. § 103 is reversed. Since dependent claims are nonobvious if the independent claims from which they depend are nonobvious, the Board's affirmance of the rejection of dependent claims 2-7, 9-12, 14-23, and 30 is also reversed."

REVERSED

Trademark Trial and Appeal Board U.S. Patent and Trademark Office

CBS Inc. v. Mercandante

Nos. 85,324 and 85,330 Decided June 15, 1992 " In re Gordon, 733 F.2d at 902, 221 USPQ re Gorman, 933 F.2d 982, 987, 18

USPQ2d 1885, 1888 (Fed. Cir. 1991). See also Interconnect Planning Corp. v. Feil, 774 F.2d 1132, 1138, 227 USPQ 543, 547 (Fed. Cir.

in re Fine, 837 F.2d at 1075, 5 USPO2d at

1600 (citing Harness Int'l, Inc. v. Simplimatic Eng's Co., 819 F.2d 1100, 1108, 2 USPQ2d 1826, 1831 (Fed. Cir. 1987)). See also In re Sernaker, 702 F.2d 989, 991, 217 USPQ 1, 3 " In re Fine, 837 F.2d at 1076, 5 USPQ2d at (Fed. Cir. 1983) (when argued together, dependent claims stand or fall with the independent claims from which they depend).

James V Mercandante and Rose Marie Mercandante, d/b/a 911 Rescue Bar, appli-cations serial no. 74/076,762, filed July 9, 1990, and 74/081,873, filed July 25, 1990, in Consolidated trademark oppositions no. 85,324 and 85,330, by CBS Inc. against which applicants counterclaim to cancel opposer's pleaded registration. On opposer's and on applicant's motions to strike opposmotion to amend its answer to counterclaim er's affirmative defenses, and for judgmen on the pleadings. Motion for judgment pleadings granted in part.

David S. Fishman, Windsor, Conn. applicants. Marshall J. Nelson, Washington, D.C., for opposer.

Before Sams, Rice, and Quinn, members13

1.45,165

By the board.

Mercandante filed applications, to registers James V. Mercandante and Rosei Manie

Ruiz v. A.B. Chance Co.

be prohibited from pursuing the Opposition action in the Trademark Office because of the result in this case, then defendant needs to in the record. The district court denied AEF's If defendant believes that the plaintiffs should the opposition, although EL's statement is not request and held that "[t]he issue of estoppel is before the Trademark tribunal not this court make that argument to the Trademark Office.'

volve AEF's rights in the "American Eagles Records" mark. While the district court may action involving a registered mark the court the cancelation of registrations, in whole or in wise rectify the register with respect to the registrations of any party to the action." AEF The Second Circuit affirmed the district court's order directing the PTO to dismiss the plaintiff's opposition and grant the concurrent registration of defendant's mark. Id. at 614-16. This case is factually distinguishable from sue are not the same. The issue in this case luted EL's "Eagles" mark; the case did not in-[3] AEF says that district courts are given ing the trademark registration process under 15 U.S.C. § 1119, which states that "[i]n any part, restore canceled registrations, and othercites Avon Shoe Co. v. David Crystal, Inc., 279 F.2d 607, 609 [125 USPQ 607] (2d Cir. 1960), which involved a dispute over the plaintiff's use of the "Haymakers" mark and the defendant's use of the "Haymaker" mark. Avon Shoe, however, because the marks at ismay determine the right to registration, order was whether AEF's activities infringed or diclear statutory authority over actions regard-

# III. CONCLUSION 171 IIIIIII

was reasonable and not an abuse of discret

action in this case, the district court's deci

abuse its discretion by refusing to dismiss pending trademark opposition of the pending trademark opposition. The district court adequately articulated reasons for denying attorney's fees and co in its discretion denied AEF's request for tomey's fees. The district court also did tional" cases under 15 U.S.C. § 1117(a) applied the correct legal standard for

man of the contract of the con Accordingly, the district court's decision AFFIRMED

Ruiz v. A.B. Chance Co. ' Blood Tangilly

§ 1119 to order the PTO to take action, it did

have had general authority under 15 U.S.C. not have the authority to decide issues regarding a mark that was not properly before it. See Old Dutch Foods, Inc. v. Dan Dee Pretzel & USPQ 496] (6th Cir. 1973) (directing the PTO to issue a concurrent registration to the defendant with limitations); Durox Co. v. Duron Paint Mfg. Co., 320 F.2d 882, 883, 885-86

Potato Chip Co., 477 F.2d 150, 157 [177

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AND ALL STATE

U.S. Court of Appeals Solo, benjage Rance Investing Federal Circuit ... . 11. 16(19)

Decided January 29, 2004 Print of July (dine) 1:-6: No. 03-1333

138 USPO 353] (4th Cir. 1963) (directing the PTO to issue a registration for the plaintiff's mark after the plaintiff properly raised the issue of validity in the complaint); Massa v. liffy Prods. Co., 240 F.2d 702, 704, 707 [112

THE CONTROL OF

# [1] Patentability/Validity — Obviousness - Combining references (\$\displant{3.0905})

Obviousness analysis requires court to ast improper "hindsight" determination; buefind! nf exnress. written motivation to combineum bine prior art references, without engagingain there was suggestion or motivation to the ing of obviousness does not require existent sess invention as whole to determine whet

USPO 2411 (9th Cir. 1957) (directing the PTO

to cancel the "Jiffy" mark for the plaintiff and award a registration for the same mark to the

ing inventors to look to references relating to prior art; since motivation to combine may be found in nature of problem to be solved, leadpossible solutions to that problem.

> PTO opposition was not properly before the the first time in its motion for reconsiderations

Further, the prospect of dismissal of the

district court because AEF raised the issuesfor

claim to the infringement action. Hence, (act cording to the procedural posture of the case for dismissal is not based on the ments buyon

and by AEF's own admissions, its argument

an estoppel theory. As the district court con

rectly pointed out, estoppel issues are jord

narily enforced by awaiting a second action

which they are pleaded and proved

party asserting estoppel. The PTO, not the dis

trict court, must determine the preclusive.

fect of EL's statements.

Even if the issue of estoppel was proj

before the district court, however, in lig failure to reach the merits of the under

the PTO's expertise and the district

AEF failed to raise the argument as a counter

Patentability/Validity - Obviousness Rough Combining references (§ 115.0905)

Transport - Obviousness Pre Commercial success (§ 115.0908)

bearing member, and since record supports court's discounting of defendant's commercial of prior art that underpinning system requires method, and that it was widely known at time means of connecting foundation to loadprior art, since each cited reference addresses eyidence that prior artisans' work showed that qush piers used in original metal bracket achieve invention of patents for method of dations, even though there was no express exact same narrow problem of underpinning existing structural foundations, since there is screw anchors worked better than straight combine screw anchors of prior art method with metal brackets used in prior art patents to stabilizing or "underpinning" building founwritten motivation to combine references in Angederal district court did not clearly err in concluding that it would have been obvious to success as evidence of nonobviousness.

# evparticular patents - General and mechanical — Building stabilization

5,139,368, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity affirmed.

5,171,107, Hamilton, Hoyt, Halferty, and Odom, method of underpinning existing structures using screw anchors, judgment of invalidity, affirmed.

trict court again found claims invalid as obvithat patents were infringed, but that patent manded (57 USPQ2d 1161). On remand, disdant on nonpatent claims, and at trial found claims at issue were invalid for obviousness. Judgment of invalidity was vacated and reous, and defendant appealed. Affirmed. Prior decision: 57 USPQ2d 1161.

Matthew A. Rosenberg, of Blumenfeld, Kaplan & Sandweiss, St. Louis, Mo., for plaintiffs-appellees.

John H. Quinn III and Andrew B. Mayfield, of Armstrong Teasdale, St. Louis, defendant-appellant.

Before Newman, Michel, and Rader, circuit

Rader, J.

Rader, J.

On remand from this court's decision on remand from this court for the fast of the East of the States District Court for the East of the cerning the motivation to combine the prior District of Missouri found defendant-appellers A.B. Chance Company's (Chance) pateners clear error in its factual determinations conart teachings and the merit of Chance's asserted secondary considerations, this court afunderpinning system obvious under 35 U.SE § 103. Because the district court made

tise in stabilizing slumping structures into the residential and commercial building markets and a transversely extending load-bearing Chance used screw anchors with a meta bracket to underpin these building founda ing and rotates the screw anchor to bore be neath the footing. When resistance to rotatio of the screw anchor reaches a specified point Chance attaches a metal bracket (designate as 30 in the Figure below) to the slouchin foundation to transfer the building load ont the screw anchor. The United States Pater and Trademark Office issued U.S. Patent No transmission towers. Screw anchors are elongated shafts with an earth-boring (screw) tip member. In 1988, Chance extended its experplaces the screw anchor adjacent to the foot 5,139,368 and 5,171,107 to Chance in 199 for use in supporting and stabilizing electrical covering this screw anchor system. Figure 5 Since about 1970, Chance has manufactured screw anchors, also called helical piers, the '107 patent shows the technology: tions. The Chance underpinning leging infringement of its patents. District court, granted summary judgment for defen-Co.for declaratory judgment that defendant's pagents are invalid and not infringed, and for equitable estoppel, and tortious interference good faith and fair dealing, promissory and with contract and prospective business reladiscrimination pursuant to 42 U.S.C. § 1981, breach of implied duty of tions, in which defendant counterclaimed al-

Action by Richard Ruiz and Foundation Anchoring Systems Inc. against A.B. Chance

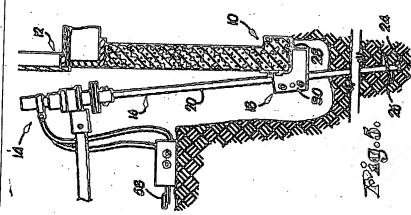
Eastern District of Missouri, Perry, J.

'Appeal from the U.S. District Court for the

59 GSPQ2d

Ruiz v. A.B. Chance Co.

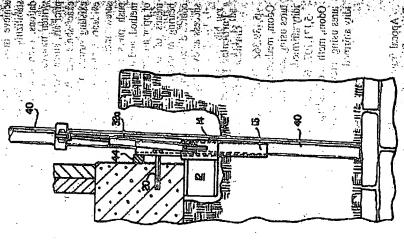
1689



Chance's underpinning system. During the Appellees Richard Ruiz and his company Foundation Anchoring Systems, Inc. (collecearly 1990s, Ruiz also formed various other anchoring companies and marketed systems hat competed with the Chance system. In tributorship. Thereafter, Ruiz began marketing an underpinning system with screw anchors good faith and fair dealing. Ruiz also filed for February 1997, Chance terminated Ruiz's disand metal brackets. This new system used components from other manufacturers. Ruiz filed suit against Chance in August of that ness relations, and breach of fiduciary duty of same year alleging various non-patent claims, a declaratory judgment that its new underpinents and that the patents are invalid. Chance including discrimination, breach of contract, ortious interference with contract and busining system does not infringe Chance's patfiled a counterclaim for patent infringement. "Ruiz") became distributors

prior art references. During the late 1980s, Ri-The validity question focuses on several chard Fuller and Stan Rupiper used screw anchors for underpinning existing structural

"Fuller-Rupiper - method"), ாரேச்தீன்ல்க் to the push pier, which is driven into the support. The push pier relies on soil frictionities crete haunch, not a metal bracket, to transfer claim an apparatus and system for underpind ning structural foundations using a push pier supply that support. Figure 6 of the 6580 the load of the foundation to the screw?anchor and a metal bracket. In the Gregory, system; the metal bracket transfers the foundation, load ground to supply the necessary foundational oatent shows this technology: अ ार ग्लाह्माता त Patent Nos. 4,911,580 and 4,76



Editor District a ve gar other Action by with the (O)

tion with a metal bracket to underpin a foប៉ូរ៉ាំ១ង dation. Additional information concerning நி The scope of the claims in this case is not pear in this court's opinion in Ruiz 设 AB at issue in this appeal, because the parties Fed. Cir. 2000). Examination of the priorfart dated by the use of a screw anchor in conjume agree that the claims are infringed or inval claims and the other aspects of this case a

chains; the Gregory system discloses the tion to combine those teachings, as well as shows that the Fuller-Rupiper method discloses the screw anchor component of the metal bracket component in the claims. Thus, this appeal is properly focused on the motivaany secondary considerations that might inform the obviousness analysis.

claims, the district court held a Markman Ruiz's product infringes the patent claims to are invalid under 35 U.S.C. § 103 in light of ment in favor of Chance on all of Ruiz's nonhearings to construe the claims and a bench trial to decide the issues of infringement and validity. At the time of trial, the scope of the 6-8, of the '368 patent and claims 1-4 and 6-8 court entered its judgment from the bench that essythertrial court determined that the claims the Scregory patents and the Fuller-Rupiper Withe district court granted summary judgpatent claims in April 1999. On the patent casë;had,narrowed to focus on claims 1-4 and ofathe 1107 patent. After the trial, the district the tune of \$540,000 in damages. Nonethe-

ment and affirmed every holding of the district Ruiz, 234, F.3d at 660, this court remanded the case; to the district court for further examination of obviousness. This court issued the fol-Fahis court heard the appeal from that judgcourt except the finding of obviousness. owing instructions: Palon remand, we instruct the district court to the Feason, suggestion, or motivation present in the prior art, in the knowledge of one of "Thake specific Graham findings on: 1) the kill in the art, or in the problem of founda-Gion settling which clearly and particularly would lead one of ordinary skill in the art prackets; 2) the level of ordinary skill in the combine screw anchors with metal art; and 3) whether, and to what extent, evidence of secondary consideration, such as casolved need, failure of others, copying, and unexpected results, is probative in the obvimcommercial success, long felt but unrecousness analysis. The district court invited additional briefing ing reconsidered the evidence of the case, the district court again found the relevant claims lining its factual findings according to this invalid as obvious and issued an opinion outand oral argument on the remand issues. Havcourt's instructions. Of particular significance, the district court found the motivation to comsine the teachings of the Gregory patents and

the Fuller-Rupiper method in the nature of the problem of underpinning foundations itself, explaining:

patent can be combined in either of two the Rupiper method. The evidence in this The Rupiper method and the Gregory ways to reach the same result as the method covered by the patents in issue here: by replacing the concrete haunch of the Rupiper method with the bracket of the Gregory patent, or by replacing the straight piling of the Gregory patent with the screw anchor of tions. . . . The problem is the same: how to case showed that there was reason, suggestion or motivation to make these combinaunderpin an unstable foundation of an existing building.

The district court also discounted Chance's Rupiper's concrete haunch worked better than Rupiper doubted that Chance's system would success and skepticism of experts as weak. Specifically, the district court found that the Rupiper was merely an acknowledgement that a metal bracket in seismic areas, such as California. The record indeed does not show that work in general. In addition, the district court attributed Chance's commercial success to its background and experience in screw anchors rather than any inventive features of the screw proffered objective evidence of commercial alleged skepticism of Chance's system by anchor-metal bracket system as a whole.

Chance now appeals again, arguing that the district court, as it did in its original judgment, cifically, this appeal involves two challenges to the district court's obviousness determinain finding an implied motivation to combine the prior art teachings in the nature of the and 2) whether the district court clearly erred tion: 1) whether the district court clearly erred in discounting Chance's evidence of secondary considerations. Jurisdiction over this apemployed hindsight to find obviousness. Speproblem of underpinning existing foundations, peal is proper under 28 U.S.C. § 1295.

Section 103 of title 35 of the United States Code states:

to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in A patent may not be obtained . . . if the differences between the subject matter sought the art to which said subject matter pertains. Motorvac Technologies Inc. v. Norco Industries Inc.

35 U.S.C. § 103(a) (2000).

section 103 specifically requires consideration of the claimed invention "as a whole." Invening principles or features. Envtl. Designs, Ltd. Union Oil Co., 713 F.2d 693, 698 [218 USPQ 865] (Fed. Cir. 1983) (noting that "virelements."). The "as a whole" instruction in title 35 prevents evaluation of the invention In making the assessment of differences, tions typically are new combinations of existtually all [inventions] are combinations of old ment, an obviousness assessment might break an invention into its component parts (A + B + C), then find a prior art reference containing soning, using the invention as a roadmap to tures or principles in a new way to achieve a part by part. Without this important require-A, another containing B, and another containvention obvious. This form of hindsight reaing C, and on that basis alone declare the infind its prior art components, would discount the value of combining various existing feanew result - often the very definition of inven-

requiring assessment of the invention as a Section 103 precludes this hindsight discounting of the value of new combinations by whole. This court has provided further assurance of an "as a whole" assessment of the invention under § 103 by requiring a showing that an artisan of ordinary skill in the art at the time of invention, confronted by the same problems as the inventor and with no knowlcombine them in the claimed manner. In other edge of the claimed invention, would select the various elements from the prior art and words, the examiner or court must show some suggestion or motivation, before the invention itself, to make the new combination. See In re Rouffet, 149 F.3d 1350, 1355-56 [47 USPQ2d 453] (Fed. Cir. 1998).

While the ultimate determination of obviousness is a legal conclusion reviewed by this court without deference, that determination always entails various factual findings that this court reviews for clear error following a bench trial. See Weatherchem Corp. v. J.L. Clark, Inc., 163 F.3d 1326, 1332 [49 USPQ2d 1001] (Fed. Cir. 1998). The clear error standard permits reversal only when this court is left with a "definite and firm conviction" that the district court was in error. Amhil Enters. Ltd. v. Wawa, Inc., 81 F.3d 1554, 1562 [38 USPQ2d 1471] (Fed. Cir. 1996).

This case deals with a challenge to the district court's conclusion on two of the underlying factual determinations in its obviousness analysis. Accordingly, this court will review

for clear error the district court's conclusions regarding objective, secondary considerations, see Pro-Mold v. Great Lakes Plastics, 75,Fi3gh 1568, 1572 [37 USPQ2d 1626], (Fed. Giffiel 1996), and whether a motivation to compine the teachings in the prior art references, was shown, see Winner Int'l Royalty; Corp. was Wang, 202 F.3d 1340, 1348 [53], USPQ2gh 1580] (Fed. Cir. 2000).

tivation to combine the teachings in the Great district courts about the risk of hindsightines gory patents with the Fuller-Rupiper methods. Chance cites this court's precedent that warms ively simple technology. See McGinleysid. Franklin Sports, Inc., 262 F.3d 1339; 13514[60]. The district court in this case presided over a bench trial and reconsidered the evidence of the district court clearly erred in finding aimed Chance argues that the district courtibutilizeds would have been motivated to combine their remand. Chance's principal argument is affair construction to find an invention obvious where the invention at issue involves relati USPQ2d 1001] (Fed. Cir. 2001). Accordingl執 hindsight to find that a person of ordinary skills THE WILL ! prior art teachings.

[1] To the contrary, the record in this case supports the trial court's findings. While this court indeed warns against employing hinds appear in prior art references before a finding of obviousness. Stated differently, this court sight, its counsel is just that — a warning by Tha warning does not provide a rule of law that a express, written motivation to combine mil has consistently stated that a court or exam iner may find a motivation to combine pri art references in the nature of the problem be solved. See Pro-Mold, 75 F.3d, at 157 Huang, 100 F.3d 135, 139 n.5 [40 ÜSPQ 1685] (Fed. Cir. 1996). This form of motive evant with simpler mechanical technologies tion to combine evidence is particularly Display Techs., Inc. v. Paul Flum Idea 282 F.3d 1340, 1346-47 (Fed. Cir. 2002

[2] This record shows that the district courted did not use hindsight in its obviousness analysis, but properly found a motivation to combine because the two references address/pifecisely the same problem of underpinning existing structural foundations. Moreover, the record supports the district courts, faculal finding that Fuller's and Rupiper's work showed that screw anchors worked better than straight push piers. In fact, the evidence shows that Rupiper introduced Chance to the use of screw anchors in underpinning buildings foundations. Chance then added a metal.

gillagirecord also supports the district court's complision that artisans knew that a foundation that incompletely bearing system requires a means of connecting the foundation to the load-bearing member. The Gregory patents teach the use of a metal bracket to connect a foundation to a straight pier, and testimony at trial showed the need for a connecting element was widely whom. Thus, the district court could properly conclude on this record, without being clearly in error, that a person of ordinary skill would be led to combine the screw anchoof in the Fuller-Rupper method with the metal bracket in the Gregory system to underphant existing building foundation.

express written teaching in the art to make this combination. On this record, however, that is peatedly stated that the motivation to combine still solutions to that problem." Pro-Mold, 75 F30 at 1573. The district court in this case apdress the narrow problem of underpinning ex-ishing building foundations, a person seeking nowfaral to the district court's obviousness de-termination. As noted earlier, this court has rethe teachings in the prior art may "come from the mature of a problem to be solved, leading to solve that exact same problem would consult the references and apply their teachings together. Thus the district court's conclusion is thins, record, it is true, does not feature an pfied flat'settled law. The district court, sitting found-that, because the prior art references adinventors to look to references relating to posas a finder of fact, weighed the evidence and perfectly legitimate when the evidence supports it, as it does here.

While the record does contain some evidence addition, the district court in this case did not simply discount all contrary evidence and bol-steristineager amount of evidence to reach a clusion! For instance, the trial court dismissed Mr. Jones' testimony because he exhibited far than its own alternative view of the evidence. monythat actually supported its ultimate conthéjjestimony of Robert Jones, a Chance disnation The district court declined to credit The trial court's careful consideration of Mr. ogned a detailed and reasoned analysis of the gainst the district court's finding, such evidence is not overwhelming by any means. In preformed' conclusion. In fact, the district tribitor, that he would have made the combilones' evidence shows further that it perevidence; rather than a conclusion-oriented discussion that typically accompanies a hindcourt discounted and discredited some testimore than an ordinary level of skill in this art

sight analysis. In short, the record in this case does not approach the evidence necessary to leave this court with a firm conviction that the district court committed clear error in its factual finding of a motivation to combine the Fuller-Rupiper and Gregory teachings.

Finally, the record also supports the district court's discounting of Chance's evidence of secondary considerations. The record supports the trial court's finding that any commercial success was not due to Chance's alleged unique combination, but rather due to Chance's experience with screw anchors combined with being the first large screw anchor manufacturer to enter the underpinning market. The district court did not clearly err in reaching this conclusion, nor in concluding that the evidence of skepticism was weak.

#### . H

Based on the above analysis, this court holds that the district court did not clearly err in finding a motivation to combine the prior art references in the nature of the problem at issue. In addition, this court holds that the district court did not clearly err in discounting Chance's evidence of secondary considerations. Accordingly, this court affirms the judgment of the district court.

### COSTS

Each party shall bear its own costs.

## **AFFIRMED**

# Motorvac Technologies Inc. v. Norco Industries Inc.

Tehance's argument amounts to little more

U.S. District Court
Central District of California
No. SACV 02-503 DOC (ANx)
Decided January 12, 2004

## **PATENTS**

# [1] Infringement — Defenses — Estoppel; laches (§ 120.1103)

Accused infringer moving for summary judgment that infringement claim is barred by laches has not provided affirmative evidence that patentee's delay of three and one-half years in filing suit was unreasonable, since such delay is not excessive on its face, and since, in undertaking reexamination of its